

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	507	(p2p or peer-to-peer) and (fil\$3 near shar\$4) and (folder or directory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 06:59
L2	2	1 and virtual adj folder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 07:00
L3	194	((p2p or peer-to-peer) same (fil\$3 near shar\$4)) and (folder or directory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 06:59
L4	61	3 and (ACL\$1 or (access adj control adj list) or (access adj right) or (privileg\$5 near access\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 07:21
L5	0	4 and virtual adj folder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 07:01
L6	0	4 and sharer and sharee	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 07:01
L7	0	1 and sharer and sharee	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 07:14
L8	7	sharer and sharee	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 07:03
L9	61	4 and shar\$4 near4 (file or folder or directory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 07:15
L10	9	4 and shar\$4 near2 (folder or directory)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 07:07

L11	61	4 and shar\$4 near2 (folder or directory or data or information or fil\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 07:08
L12	1	9 and (sharer or sharee)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 07:14
L13	3	9 and (707/9.ccls. or 713/200,201, 165.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 07:17
L14	35	9 and (707/9.ccls. or 713/200,201, 165.ccls. or "709"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 07:17
L15	1	14 and (ACL\$1 or (access adj control adj list)) and ((access adj right) or (privileg\$5 near access\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 07:22
L16	7	3 and (ACL\$1 or (access adj control adj list)) and ((access adj right) or (privileg\$5 near access\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/29 07:22

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	20	(filing adj shar\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:44
L2	121	virtual adj folder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:23
L3	18	2 and microsoft.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:23
L4	260	virtual near3 folder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:47
L5	23	4 and microsoft.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:24
L6	237	4 not microsoft.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:36
L7	6	4 and data adj vault	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:52
L8	0	4 and (filing adj shar\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:39
L9	46	4 and (filing or files!) near4 shar\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:40
L10	2	9 and (707/9.ccls. or "713"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:40

L11	2	(filing adj shar\$4) same (email or (electronic\$3 adj2 (mail or message or document)) or e-mail or e-com\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:46
L12	530	((filing or files! or folder or container or direcotry) near6 shar\$4) same (email or (electronic\$3 adj2 (mail or message or document)) or e-mail or e-com\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:47
L13	1122	((filing or file or folder or container or direcotry or item) near6 shar\$4) same (email or (electronic\$3 adj2 (mail or message or document)) or e-mail or e-com\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:51
L14	8	13 and virtual near3 folder	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:47
L15	231	13 and (707/9.ccls. or "713"/\$.ccls. or "705"/\$.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:53
L16	1	15 and data adj vault	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:52
L17	48	15 and static and dynamic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:53
L18	1	15 and (static and dynamic) near2 list	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:54
L19	48	15 and (static and dynamic)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/03/17 12:54



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Sponsors [SIGCHI](#): ACM Special Interest Group on Computer-Human Interaction
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↑ ABSTRACT

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↑ REFERENCES

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- 1 Jacko, J. A. B Salvendy, G. (1996). Hierarchical menu design: Breadth, depth, and task complexity-Perceptual and Motor Skills, 82, 1187--120 1.

- 2 John I. Kiger, The depth/breadth trade-off in the design of menu-driven user interfaces, International Journal of Man-Machine Studies, v.20 n.2, p.201-213, Feb. 1984
- 3 Kevin Larson , Mary Czerwinski, Web page design: implications of memory, structure and scent for information retrieval, Proceedings of the SIGCHI conference on Human factors in computing systems, p.25-32, April 18-23, 1998, Los Angeles, California, United States
- 4 Miller, G. A. (1956). The magical number seven plus or minus two: Some limits on our capacity for processing information. Psychological Review, 63, 81--97.
- 5 Miller, D. P. (1981). The depth/breadth tradeoff in hierarchical computer menus. Proceedings of the Human Factors Society, 296--300.17.
- 6 Saltzer, J. H. and Schroeder, M. D.. The Protection of Information in Computer Systems. In Proceedings of the IEEE, vol. 63, no. 9, September 1975, pp. 1278--1308 (see <http://web.mit.edu/Saltzer/www/publications/protection/>).
- 7 K. J. Vicente , R. C. Williges, Accommodating individual differences in searching a hierarchical file system, International Journal of Man-Machine Studies, v.29 n.6, p.647-668, Dec. 1988
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- 9 Ka-Ping Yee, User Interaction Design for Secure Systems, Proceedings of the 4th International Conference on Information and Communications Security, p.278-290, December 09-12, 2002
- 10 Zaphiris, P. & Mtei, L. (1997). Depth vs Breadth in the Arrangement Web Links. Available at <http://otal.umd.edu/SHORE/bsO>

↑ CITINGS

Rebecca T. Mercuri, The many colors of multimedia security, Communications of the ACM, v.47 n.12, December 2004

↑ INDEX TERMS

Primary Classification:

H. Information Systems

↳ H.5 INFORMATION INTERFACES AND PRESENTATION (I.7)

↳ H.5.2 User Interfaces (D.2.2, H.1.2, I.3.6)

↳ **Subjects:** Evaluation/methodology

Additional Classification:

H. Information Systems

↳ H.5 INFORMATION INTERFACES AND PRESENTATION (I.7)

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↳ **Subjects:** User-centered design; Graphical user interfaces (GUI)

Keywords:

Peer-to-peer networks↑ **Collaborative Colleagues:**

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Jeffrey Heer
Aaron Krekelberg
Jennifer Mankoff
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Gwo-Dong Chen , Daniel D. Gajski

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- 9 Ka-Ping Yee, User Interaction Design for Secure Systems, Proceedings of the 4th International Conference on Information and Communications Security, p.278-290, December 09-12, 2002
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system (OIS) must be able to support interaction across a user community with a wide range of characteristics. Despite the relative importance of the filing system to an OIS, there is little knowledge regarding the best filing system structures for particular classes of users. This is at least partially due to the ...

4 Real world: International standards

Lon Barfield

July 2001 **ACM SIGCHI Bulletin - a supplement to *interactions***, Volume 2001

Full text available:  [pdf\(135.17 KB\)](#)

Additional Information: [full citation](#)



5 Interoperability of peer-to-peer file sharing protocols

Siu Man Lui, Sai Ho Kwok

June 2002 **ACM SIGecom Exchanges**, Volume 3 Issue 3

Full text available:  [pdf\(42.71 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Peer-to-Peer (P2P) file sharing software has brought a hot discussion on P2P file sharing among all businesses. Freenet, Gnutella, and Napster are the three most popular P2P file sharing applications. They use three distinct protocols and these protocols come with different characteristics. In this paper, we discuss the protocols of these P2P file sharing applications, in terms of the methodologies used for peer registry, query and content sharing. In order to maximize the benefit of P2P file sh ...

Keywords: Gnutella, Napster, Peer-to-Peer



6 Applications: YouServ: a web-hosting and content sharing tool for the masses

Roberto J. Bayardo Jr., Rakesh Agrawal, Daniel Gruhl, Amit Somani

May 2002 **Proceedings of the eleventh international conference on World Wide Web**

Full text available:  [pdf\(238.48 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

YouServ is a system that allows its users to pool existing desktop computing resources for *high availability* web hosting and file sharing. By exploiting standard web and internet protocols (e.g. HTTP and DNS), YouServ does not require those who access YouServ-published content to install special purpose software. Because it requires minimal server-side resources and administration, YouServ can be provided at a very low cost. We describe the design, implementation, and a successful intrane ...

Keywords: decentralized systems, p2p, peer-to-peer networks, web hosting



7 Providing a centralized file sharing resource at Bucknell University

Peter J. Templin

October 1998 **Proceedings of the 26th annual ACM SIGUCCS conference on User services**

Full text available:  [pdf\(364.80 KB\)](#)

Additional Information: [full citation](#), [index terms](#)



8 Personal distributed computing: the Alto and Ethernet software

Butler Lampson

January 1986 **Proceedings of the ACM Conference on The history of personal workstations**



Full text available:  pdf(3.00 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The personal distributed computing system based on the Alto and the Ethernet was a major effort to make computers help people to think and communicate. The paper describes the complex and diverse collection of software that was built to pursue this goal, ranging from operating systems, programming environments, and communications software to printing and file servers, user interfaces, and applications such as editors, illustrators, and mail systems.

9 WebDAV: what it is, what it does, why you need it

Luis O. Hernández, Mahmoud Pegah

September 2003 **Proceedings of the 31st annual ACM SIGUCCS conference on User services**Full text available:  pdf(233.64 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Legacy network file services such as NFS, SMB/CIFS, and AFP changed the way we worked. File services running on cross-platform networks allowed us to save our files on remote systems and changed the way we exchanged files with each other. Web technology changed our lives and the way we work again. In the fall of 2002, due to the demand for a web integrated network file service with powerful content management capabilities, we are offering WebDAV (Web-based Distributed Authoring and Versioning) s ...

Keywords: HTTP, LDAP, WebDAV, apache, authoring, file service, file sharing, internet, quota, server, versioning, web

10 Office documents on a database kernel—filing, retrieval, and archiving

P. Zaback, H. B. Paul, U. Deppisch

March 1990 **ACM SIGOIS Bulletin , Proceedings of the conference on Office information systems**, Volume 11 Issue 2-3Full text available:  pdf(1.24 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

One of the main component of integrated office systems is the large central filing system. It efficiently stores, retrieves and searches office documents containing text, images, graphics, data and voice. We propose to implement a filing system on top of the Darmstadt database system (DASDBS), which is designed as a data management kernel for both standard and non-standard applications. This paper investigates the choice of appropriate storage structures for the filing system objects and th ...

11 Moksha: exploring ubiquity in event filtration-control at the multi-user desktop

Rameshsharma Ramlooll, John A. Mariani

March 1999 **ACM SIGSOFT Software Engineering Notes , Proceedings of the international joint conference on Work activities coordination and collaboration**, Volume 24 Issue 2Full text available:  pdf(1.64 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Collaborative systems need to provide some means for users to be aware of peer activities. Common approaches involve broadcasting events generated as a result of a particular user's actions at the interface to others. Rather than flooding users with information about all activities occurring in the shared environment, filtration techniques allow each user to be exposed to relevant awareness information. Such techniques are often based on user configurable agents. Unfortunately, these so far do n ...

Keywords: auditory display, awareness, common information space, multi-users desktop system, multimedia browsing

12 Presto: an experimental architecture for fluid interactive document spaces

Paul Dourish, W. Keith Edwards, Anthony LaMarca, Michael Salisbury

June 1999 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 6 Issue 2Full text available:  [pdf\(409.04 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Traditional document systems use hierarchical filing structures as the basis for organizing, storing and retrieving documents. However, this structure is very limited in comparison with the rich and varied forms of document interaction and category management in everyday document use. Presto is a prototype document management system providing rich interaction with documents through meaningful, user-level document attributes, such as "Word file," "published paper," &I ...

Keywords: attribute/value systems, direct manipulation, document management

13 Poster Session: ATTIC: a case study of directory-enabled course management

Michael Richichi

October 2001 **Proceedings of the 29th annual ACM SIGUCCS conference on User services**Full text available:  [pdf\(147.06 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Academic Technology Tools for Instructional Computing (ATTIC) is Drew University's system of shared file space, collaborative groups, discussions, email lists, and Web pages that are automatically configured for every faculty and student, using an industry-standard, Lightweight Directory Access Protocol (LDAP) compliant directory (Novell eDirectory 8.5.) ATTIC services are provided by a heterogeneous environment of NetWare 5.1 and Linux systems and rely on LDAP integration and scripting in Perl, ...

Keywords: LDAP, collaboration, course tools, directory, file sharing

14 Using properties for uniform interaction in the Presto document system

Paul Dourish, W. Keith Edwards, Anthony LaMarca, Michael Salisbury

November 1999 **Proceedings of the 12th annual ACM symposium on User interface software and technology**Full text available:  [pdf\(477.56 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Most document or information management systems rely on hierarchies to organise documents (e.g. files, email messages or web bookmarks). However, the rigid structures of hierarchical schemes do not mesh well with the more fluid nature of everyday document practices. This paper describes Presto, a prototype system that allows users to organise their documents entirely in terms of the properties those documents hold for users. Properties provide a uniform mechanism for managing, coding, search ...

Keywords: document interfaces, document management, document properties, interaction models

15 "Stuff goes into the computer and doesn't come out": a cross-tool study of personal information management

Richard Boardman, M. Angela Sasse

April 2004 **Proceedings of the 2004 conference on Human factors in computing systems**

Full text available:  [pdf\(218.17 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper reports a study of Personal Information Management (PIM), which advances research in two ways: (1) rather than focusing on one tool, we collected *cross-tool* data relating to file, email and web bookmark usage for each participant, and (2) we collected *longitudinal* data for a subset of the participants. We found that individuals employ a rich variety of strategies both *within* and *across* PIM tools, and we present new strategy classifications that reflect this ...

Keywords: email, files, personal information management, tool integration, user study, web bookmarks

16 Collaborative workspace for time deferred electronic cooperation

Uta Pankoke-Babatz, Anja Syri

November 1997 **Proceedings of the international ACM SIGGROUP conference on Supporting group work : the integration challenge: the integration challenge**

Full text available:  [pdf\(1.49 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: CSCW enablers, asynchronous cooperation, awareness, collaborative workspace, electronic behavior setting, sharing

17 In pursuit of desktop evolution: User problems and practices with modern desktop systems

Pamela Ravasio, Sissel Guttormsen Schär, Helmut Krueger

June 2004 **ACM Transactions on Computer-Human Interaction (TOCHI)**, Volume 11 Issue 2

Full text available:  [pdf\(2.33 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This study deals with the problems users encounter in their daily work with computers and the typical practices that they employ. Sixteen daily computer users were interviewed about their habits and problems that they encountered during document classification and retrieval. For both these areas, we provide an overview of identified user practices and a citation-based analysis of the problems users encountered, including those related to the use of the screen real estate (the actual desktop). Tw ...

Keywords: Desktop metaphor, document classification, document retrieval, improvements., personal computer, user practices, user problems, user study

18 Designing groupware for congruency in use

Wolfgang Prinz, Gloria Mark, Uta Pankoke-Babatz

November 1998 **Proceedings of the 1998 ACM conference on Computer supported cooperative work**

Full text available:  [pdf\(1.34 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: cooperative design, group work, groupware requirements, prototyping, system introduction, user advocacy

19 Design in the PoliTeam project: evaluating user needs in real work practice

Uta Pankoke-Babatz, Gloria Mark, Konrad Klöckner

August 1997 **Proceedings of the conference on Designing interactive systems: processes, practices, methods, and techniques**

Full text available:  pdf(1.25 MB)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: CSCW, evolutionary cycling, groupware, participatory design, shared workspace, user advocacy

20 Analogy considered harmful

Frank Halasz, Thomas P. Moran

March 1982 **Proceedings of the 1982 conference on Human factors in computing systems**

Full text available:  pdf(374.39 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The computer is like a typewriter. The computer is like a filing cabinet. The computer is a personal servant ready to obey your every command. It is often claimed (e.g., Carroll and Thomas [3], Rumelhart and Norman [7]) that the best way to introduce a new user to a computer system is to draw an analogy between the computer and some situation familiar to the user. Given the analogy, the new user can draw upon his knowledge about the familiar situation in order ...


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